

5905-591

02/05/2013

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Chemical Safety and Pollution Prevention  
 Registration Division (7505C)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

5905-591

Date of Issuance:

FEB 05 2013

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Pro-Mate Merit 0.2% with Turf Fertilizer

Name and Address of Registrant (include ZIP Code):

Helena Chemical Company  
 225 Schilling Boulevard, Suite 300  
 Collierville, TN 38017

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No 5905-591."

Signature of Approving Official:

Venus Eagle, Product Manager 01  
 Insecticide-Rodenticide Branch, Registration Division (7505P)

Date:

FEB 05 2013

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3. Submit one copy of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. If you have any questions, please contact Autumn Metzger at 703-305-5314 or [metzger.autumn@epa.gov](mailto:metzger.autumn@epa.gov).

A stamped copy of the label is enclosed for your records.

Venus Eagle  
Product Manager 01  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

3/9

ACCEPTED  
With COMMENTS  
In EPA Letter Dated:

FEB 05 2013

Under the Federal Insecticide, Fungicide  
and Fumigant Act, As amended, for the  
pesticide Registered under EPA Reg. No:

5905-591

# Pro-Mate<sup>®</sup> Merit<sup>®</sup> 0.2%

## With Turf Fertilizer

For fertilization and listed insect control in turfgrass and landscape ornamentals and sod farms.

Fertilizer with MERIT<sup>®</sup> Insecticide.

Contains Merit<sup>®</sup> Insecticide

30 lbs. treats 8525 sq ft (0.2 Acre) at the 150 lbs product /acre - - LOW RATE (3.5 lbs/1,000 sq. ft.)  
30 lbs. treats 6660 sq ft (0.15 Acre) at the 200 lbs product /acre - HIGH RATE (4.5 lbs/1,000 sq. ft.)  
Net Wt. 30 lbs (13.61 Kg)  
Treats up to 8525 sq ft

40 lbs. treats 11,362 sq ft (0.265 Acre) at the 150 lbs product /acre - LOW RATE (3.5 lbs/1,000 sq. ft.)  
40 lbs. treats 8,880 sq ft (0.20 Acre) at the 200 lbs product /acre - HIGH RATE (4.5 lbs/1,000 sq. ft.)  
Net Wt. 40 lbs. (18.145 Kg)  
Treats up to 11,362 sq ft

50 lbs. treats 14,200 sq. ft. (0.33 acre) at the 150 lbs. product/acre - LOW RATE (3.5 lbs/1,000 sq. ft.)  
50 lbs. treats 11,100 sq. ft. (0.25 acre) at the 200 lbs. product/acre - HIGH RATE (4.5 lbs/1,000 sq. ft.)  
Net Wt. 50 lbs. (22.68 Kg.)  
Treats Up To 14,200 Sq. Ft.

### ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-imidazolidinimine ..... 0.2%

OTHER INGREDIENTS: ..... 99.8%

TOTAL: ..... 100.0%

**STOP - READ THE LABEL BEFORE USE.  
KEEP OUT OF REACH OF CHILDREN.**

### CAUTION

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

### FIRST AID

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>

### HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information, in case of an emergency, call 800-424-9300.

**Note to Physician:** No specific antidote is available. Treat the patient symptomatically.

EPA Reg. No. 5905-xxx  
EPA Est. No. \_\_\_\_\_

AD xxxxxx

Manufactured for  
Helena Chemical Company  
225 Schilling Boulevard, Suite 300  
Collierville, TN 38017

NET WEIGHT: \_\_\_\_\_ lbs.

Filename: ProMate Merit 0.2% with TF (5905-LOR) 012313 CLN.doc

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

*Causes moderate eye irritation. Harmful if absorbed through skin or swallowed. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.*

**Personal Protective Equipment (PPE):**

**WPS USES:** *Applicators and Other Handlers who handle this product for any use covered by the Worker Protection Standard (40 CFR part 170) – in general, agricultural plant uses e.g., use in sod farms, must wear:*

- *Long-sleeved shirt and long pants*
- *Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.*
- *Shoes plus socks*

*Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.*

**Non-WPS USES:** *Applicators and other handlers who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR part 170) – in general, only agricultural plant uses are covered by the WPS, must wear:*

- *Long-sleeved shirt and long pants*
- *Chemical-resistant gloves (such as Natural Rubber, Selection Category A)*
- *Shoes plus socks*

**USER SAFETY RECOMMENDATION**

*Users should:*

- *Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.*
- *Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.*
- *Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.*

**ENVIRONMENTAL HAZARDS**

*This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.*

*This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.*

**DIRECTIONS FOR USE**

**It is a violation of Federal law to use this product in a manner inconsistent with its labeling.**

*Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.*

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted -entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

Do not formulate this product into other end-use products.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets off treated area until dry.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container Disposal:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away.

**APPLICATION TO TURFGRASS**

The use of this product will provide plant nutrients as well as providing control of selected insect pests. Pro-Mate Merit 0.2% with Turf Fertilizer can be used for the control of the following listed soil inhabiting pests of turfgrass; northern & southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotrogus majalis*; Green June beetle, *Cotinus nitida*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; billbugs, *Sphenophorus* spp.; annual bluegrass weevil, *Listronotus maculicollis*. Black turfgrass *ataenius*, *Ataenius spretulus*; *Aphodius* spp.; crane flies, *Tipula* spp., and mole crickets, *Scapteriscus* spp. Pro-Mate Merit 0.2% with Turf Fertilizer can be used as directed on turfgrass; in home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms.

The active ingredient in Pro-Mate Merit 0.2% with Turf Fertilizer has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

**APPLICATION TO ORNAMENTALS**

Pro-Mate Merit 0.2% with Turf Fertilizer can be used as a broadcast application on ornamentals in commercial and residential landscapes, as well as on landscaped areas of golf courses and other recreational areas. This is a systemic product, with the active ingredient being absorbed by the roots and translocated upward within the plant. Optimum control will be achieved when applications are followed by sufficient mechanical incorporation, irrigation or rainfall to place the active ingredient into the soil. Make application prior to anticipated pest infestation to achieve optimum levels of control.

**RESTRICTIONS:**

- Do not exceed a total of 200 lb of product (0.4 lb of active ingredient) per acre per year.
- Do not make applications when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically into the soil profile.
- Not for use in commercial greenhouses, or nurseries.
- Keep people and pets off treated area until dry

**APPLICATION EQUIPMENT**

Apply Pro-Mate Merit 0.2% with Turf Fertilizer uniformly over the area being treated with typical granular application equipment. Both drop-type and rotary-type spreaders may be used to apply Pro-Mate Merit 0.2% with Turf Fertilizer. Do not use spreaders which would apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

**SPREADER SETTINGS FOR PRO-MATE MERIT 0.2% WITH TURF FERTILIZER**

The following chart can be used as a guide in establishing an accurate rate of Pro-Mate Merit 0.2% with Turf Fertilizer. The suggested settings provide an application rate of 3.5 lb per 1000 sq ft, or 150 lb per acre. Application rates will vary dependent upon speed, equipment wear and condition of spreader. Carefully calibrate all equipment used prior to commercial use of this product.

SPREADER	SPEED (mph)	SETTINGS
		3.5 lb/ 1000 sq. ft or 150 lbs./A
Cyclone Way	3	
Earthway 2400		
Gandy Turf Tender 24"	3	
Gandy Turf Tender 42"	3	
Lely	4.5	
Lesco Broadcast	3	
PSB Prizelawn CBR-III	3	
Scott's Proturf R-8A	3	
Scott's Proturf SR-2000	3	
Scott's Handy Green	3	
Scott's Accupro	3	
Spyker	3	
Vicon Model 402	4.5	

(Spreaders and settings will vary depending on markets, spreader availability and fertilizer blends used)

**APPLICATION RATES**

<b>CROP</b>	<b>PEST</b>	<b>DOSAGE PROMATE MERIT + TURF FERTILIZER</b>
Turf Grasses	Annual bluegrass weevil Billbugs Crane flies  Larvae of white grubs, for example: Aphodius sp.                      Japanese beetle Asiatic garden beetle            Northern masked chafer Black turfgrass ataenius        Oriental beetle European chafer                    Phyllophaga spp. Green June beetle                 Southern masked chafer	150 to 200 lb per acre or 3.5 to 4.5 lb per 1000 sq ft
	For optimum control, make application prior to egg hatch of the target pest. Be sure to read "APPLICATION EQUIPMENT" Section of this label.	
	Mole crickets Chinch bugs (suppression)	200 lb per acre or 4.5 lb per 1000 sq ft
For suppression of chinch bugs, make application prior to the hatching of the first instar nymphs. For control of mole crickets make application within one week of the peak egg hatch period. If application is not made prior to egg hatch, and adults or large nymphs are present and actively tunneling, apply Pro-Mate Merit 0.2% with Turf Fertilizer in combination with a remedial insecticide to minimize damage to turf.		
<p>Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.</p> <p>Irrigate if rainfall does not occur within 24 hours after application to move the active ingredient through the thatch. On golf courses, irrigate treated areas following application.</p> <p><b>Restrictions for Turf Grasses:</b></p> <ul style="list-style-type: none"> <li>• Do not apply more than 200 lb (0.4 lb of active ingredient) per acre per year or 4.5 lbs per 1000 sq. ft. per year.</li> <li>• Do not mow turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.</li> </ul>		

**APPLICATION RATES FOR USE ON ORNAMENTALS**

CROP	PEST	DOSAGE PROMATE MERIT + TURF FERTILIZER
Landscape Plantings Including: Trees, Shrubs, Evergreens, Flowers, Foliage, Plants, Ground Covers	White grub larvae  For example: Japanese beetle larvae, chafers, Phyllophaga spp. Asiatic garden beetle, Oriental beetle	3.5 to 4.5 lb per 1000 sq ft
<p>Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier material that will not permit water permeability. Mechanical incorporation, irrigation or rainfall must occur within 24 hours after application to move the active ingredient into soil. Refer to label sections on application equipment and spreader settings.</p> <p><b>Restrictions for Ornamentals:</b></p> <ul style="list-style-type: none"> <li>• Do not allow runoff or puddling of irrigation water following application.</li> <li>• Do not apply Pro-Mate Merit 0.2% with Turf Fertilizer to areas which are water-logged or saturated, which will not allow penetration into the root zone of the plant.</li> <li>• Do not apply more than 4.5 lbs of product per 1000 sq. ft. per year.</li> <li>• Do not apply to vegetable gardens.</li> <li>• Do not harvest or consume fruits or nuts from trees that have been treated within one year (365 days).</li> </ul>		

**CONDITIONS OF SALE - LIMITED WARRANTY  
AND LIMITATIONS OF LIABILITY AND REMEDIES**

**Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

To the extent consistent with applicable law, the exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent consistent with applicable law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

Merit® is a registered trademark of Bayer.

**[For placement under Fertilizer Guarantee Section]**

*Fertilizer Analysis: X-X-X*

*Information regarding the contents and levels of metals in this product is available on the Internet at HYPERLINK <http://www.aapfco.org/metals.htm>.*

*For Florida:*

*FLORIDA APPLICATIONS: For use on golf courses or other athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K & Mg for Golf Course and Athletic Field Fertilization Based on Mehlich I Extractant", available on the internet at <http://edis.ifas.ufl.edu/SS404> or "Best Management Practices for the Enhancement of Environmental Quality on Florida Golf Courses" at HYPERLINK "<http://www.flaes.org/pdf/gfbmp07.pdf> "*

*FLORIDA APPLICATIONS: For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available at HYPERLINK "[http://www.flaes.org/pdf/BMP\\_Book\\_final.pdf](http://www.flaes.org/pdf/BMP_Book_final.pdf)".*  
*[http://www.flaes.org/pdf/BMP\\_Book\\_final.pdf](http://www.flaes.org/pdf/BMP_Book_final.pdf)*